

09193791\_CLS  
Most Frequently Occurring Classifications of Patents Returned  
From A Search of 09193791 on April 17, 2001

Original Classifications

10 705/40  
6 705/79  
5 235/379  
4 705/42  
4 713/176  
3 705/35  
3 705/41  
3 705/43  
3 705/54  
3 705/75  
2 382/115  
2 382/305  
2 455/406  
2 705/39  
2 705/45  
2 705/76  
2 705/78  
2 705/80  
2 707/200  
2 707/9  
2 709/218  
2 710/11

Cross-Reference Classifications

18 705/26  
14 705/39  
14 705/44  
11 235/379  
7 235/380  
7 705/42  
6 707/10  
5 705/40  
5 705/43  
5 705/75  
5 705/77  
5 713/181  
4 705/35  
4 705/45  
4 709/203  
4 709/217  
4 713/153  
3 380/30  
3 705/1

705/39

42?

43 ✓

26??

235/379?

902/8

13 ?

14 ✓

707/500

513 ✓

Hypertext markup  
language

3 705/27  
 3 705/53  
 3 705/65  
 3 705/76  
 3 705/78  
 3 709/225  
 3 713/156  
 3 902/24  
 3 902/40  
 3 902/5  
 2 235/375  
 2 380/22  
 2 455/31.3  
 2 455/405  
 2 455/408  
 2 455/410  
 2 705/14  
 2 705/30  
 2 705/66  
 2 705/67  
 2 705/70  
 2 705/79  
 2 707/1  
 2 707/102  
 2 707/513  
 2 707/514  
 2 707/9  
 2 709/227  
 2 709/249  
 2 713/173  
 2 713/176  
 2 713/185  
 2 713/201  
 2 902/14  
 2 902/2  
 2 902/22  
 2 902/9

## Combined Classifications

18 705/26 ✓  
 16 235/379 ✓  
 16 705/39 ✓  
 15 705/40 x  
 15 705/44 ?  
 11 705/42 ?  
 8 705/43 ✓✓✓  
 8 705/75 x  
 8 705/79 x

7	235/380	X
7	705/35	X
6	705/45	X
6	705/77	X
6	707/10	X
6	713/176	X
5	705/76	X
5	705/78	X
5	709/203	X
5	709/217	X
5	713/181	X
4	705/41	X
4	705/54	X
4	705/65	X
4	707/9	X
4	713/153	X
3	380/30	X
3	705/1	X
3	705/27	X
3	705/53	X
3	705/80	X
3	709/218	X
3	709/225	X
3	709/227	X
3	709/249	X
3	713/156	X
3	713/201	X
3	902/24	X
3	902/40	X
3	902/5	X
2	235/375	X
2	380/22	X
2	382/115	X
2	382/305	X
2	455/31.3	X
2	455/405	X
2	455/406	X
2	455/408	X
2	455/410	X
2	705/14	X
2	705/30	X
2	705/34	X
2	705/52	X
2	705/66	X
2	705/67	X
2	705/70	X
2	707/1	X
2	707/102	X

09193791\_CLS

2	707/104	X	
2	707/200	X	
2	707/513	-	707/500
2	707/514	X	
2	709/223	X	
2	709/224	X	
2	709/238	X	
2	709/239	X	
2	709/250	X	
2	710/11	X	
2	713/155	X	
2	713/173	X	
2	713/185	X	
2	713/200	X	
2	902/14	✓✓✓	902/8
2	902/2	X	
2	902/22	X	
2	902/9	X	

09193791\_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 09193791 on April 17, 2001

18	705/26	(0 OR, 18 XR)
	Class 705 :	DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
	705/1	AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS PRACTICE OR MANAGEMENT ARRANGEMENT
	705/26	.Electronic shopping (e.g., remote ordering)
16	235/379	(5 OR, 11 XR)
	Class 235 :	REGISTERS
	235/375	SYSTEMS CONTROLLED BY DATA BEARING RECORDS
	235/379	.Banking systems
16	705/39	(2 OR, 14 XR)
	Class 705 :	DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
	705/1	AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS PRACTICE OR MANAGEMENT ARRANGEMENT
	705/35	.Finance (e.g., banking, investment or credit)
	705/39	..Including funds transfer or credit transaction
15	705/40	(10 OR, 5 XR)
	Class 705 :	DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
	705/1	AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS PRACTICE OR MANAGEMENT ARRANGEMENT
	705/35	.Finance (e.g., banking, investment or credit)
	705/39	..Including funds transfer or credit transaction
	705/40	...Bill distribution or payment
15	705/44	(1 OR, 14 XR)
	Class 705 :	DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
	705/1	AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS PRACTICE OR MANAGEMENT ARRANGEMENT
	705/35	.Finance (e.g., banking, investment or credit)

09193791\_CLSTITLES

	705/39	..Including funds transfer or credit transaction
	705/44	...Requiring authorization or authentication
11	705/42	(4 OR, 7 XR)
ATION	Class	705 : DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
	705/1	AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS PRACTICE OR MANAGEMENT ARRANGEMENT
	705/35	.Finance (e.g., banking, investment or credit)
	705/39	..Including funds transfer or credit transaction
	705/42	...Remote banking (e.g., home banking)
8	705/43	(3 OR, 5 XR)
ATION	Class	705 : DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
	705/1	AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS PRACTICE OR MANAGEMENT ARRANGEMENT
	705/35	.Finance (e.g., banking, investment or credit)
	705/39	..Including funds transfer or credit transaction
	705/42	...Remote banking (e.g., home banking)
	705/43	....Including Automatic Teller Machine (i.e., ATM)
8	705/75	(3 OR, 5 XR)
ATION	Class	705 : DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
	705/50	BUSINESS PROCESSING USING CRYPTOGRAPHY
	705/64	.Secure transaction (e.g., EFT/POS)
	705/75	..Transaction verification
8	705/79	(6 OR, 2 XR)
ATION	Class	705 : DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
	705/50	BUSINESS PROCESSING USING CRYPTOGRAPHY
	705/64	.Secure transaction (e.g., EFT/POS)
	705/77	..Including remote charge determination or related payment system
	705/79	...Including a payment switch or gateway

09193791\_CLSTITLES

7	235/380	(0 OR, 7 XR)	
	Class	235 :	REGISTERS
	235/375		SYSTEMS CONTROLLED BY DATA BEARING RECORDS
	235/380		.Credit or identification card systems
7	705/35	(3 OR, 4 XR)	
	Class	705 :	DATA PROCESSING: FINANCIAL, BUSINESS
			PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION	705/1		AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
			PRACTICE OR MANAGEMENT ARRANGEMENT
	705/35		.Finance (e.g., banking, investment or credit)
6	705/45	(2 OR, 4 XR)	
	Class	705 :	DATA PROCESSING: FINANCIAL, BUSINESS
			PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION	705/1		AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
			PRACTICE OR MANAGEMENT ARRANGEMENT
	705/35		.Finance (e.g., banking, investment or credit)
	705/39		..Including funds transfer or credit
			transaction
	705/45		...With paper check handling
6	705/77	(1 OR, 5 XR)	
	Class	705 :	DATA PROCESSING: FINANCIAL, BUSINESS
			PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION	705/50		BUSINESS PROCESSING USING CRYPTOGRAPHY
	705/64		.Secure transaction (e.g., EFT/POS)
	705/77		..Including remote charge determination or
			related payment system
6	707/10	(0 OR, 6 XR)	
	Class	707 :	DATA PROCESSING: DATABASE AND FILE
			MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P
ROCESSING	707/1		DATABASE OR FILE ACCESSING
	707/10		.Distributed or remote access
6	713/176	(4 OR, 2 XR)	
	Class	713 :	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
			SYSTEMS: SUPPORT
	713/150		MULTIPLE COMPUTER COMMUNICATION USING
			CRYPTOGRAPHY

09193791\_CLSTITLES

713/168 .Particular communication authentication technique

713/176 ..Authentication by digital signature representation or digital watermark

5 705/76 (2 OR, 3 XR)

Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN

ATION

705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY

705/64 .Secure transaction (e.g., EFT/POS)

705/76 ..Electronic credential

5 705/78 (2 OR, 3 XR)

Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN

ATION

705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY

705/64 .Secure transaction (e.g., EFT/POS)

705/77 ..Including remote charge determination or related payment system

705/78 ...Including third party

5 709/203 (1 OR, 4 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO

RDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING

709/201 .Distributed data processing

709/203 ..Client/server

5 709/217 (1 OR, 4 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO

RDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING

709/217 .Remote data accessing

5 713/181 (0 OR, 5 XR)

Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: SUPPORT

713/150 MULTIPLE COMPUTER COMMUNICATION USING CRYPTOGRAPHY

713/168 .Particular communication authentication technique

713/181 ..Message digest travels with message

4 705/41 (3 OR, 1 XR)



09193791\_CLSTITLES

Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS  
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN

ATION

705/1 AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS  
PRACTICE OR MANAGEMENT ARRANGEMENT

705/35 .Finance (e.g., banking, investment or credit)

705/39 ..Including funds transfer or credit  
transaction

705/41 ...Having programming of a portable memory  
device (e.g., IC card, "electronic purse")

4 705/54 (3 OR, 1 XR)

Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS  
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN

ATION

705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY

705/51 .Usage protection of distributed data files

705/52 ..Usage or charge determination

705/54 ...Adding plural layers of rights or  
limitations by other than the original prod

ucer

4 705/65 (1 OR, 3 XR)

Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS  
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN

ATION

705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY

705/64 .Secure transaction (e.g., EFT/POS)

705/65 ..Including intelligent token (e.g., electroni

c

purse)

4 707/9 (2 OR, 2 XR)

Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P

ROCESSING

707/1 DATABASE OR FILE ACCESSING

707/9 .Privileged access

4 713/153 (0 OR, 4 XR)

Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: SUPPORT

713/150 MULTIPLE COMPUTER COMMUNICATION USING  
CRYPTOGRAPHY

713/153 .Particular node (e.g., gateway, bridge,  
router, etc.) for directing data and applyi

ng cryptography

09193791\_CLSTITLES

3	380/30	(0 OR, 3 XR)	
	Class	380 :	CRYPTOGRAPHY
	380/28		PARTICULAR ALGORITHMIC FUNCTION ENCODING
	380/30		.Public key
3	705/1	(0 OR, 3 XR)	
	Class	705 :	DATA PROCESSING: FINANCIAL, BUSINESS
			PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION	705/1		AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
			PRACTICE OR MANAGEMENT ARRANGEMENT
3	705/27	(0 OR, 3 XR)	
	Class	705 :	DATA PROCESSING: FINANCIAL, BUSINESS
			PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION	705/1		AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
			PRACTICE OR MANAGEMENT ARRANGEMENT
	705/26		.Electronic shopping (e.g., remote ordering)
	705/27		..Presentation of image or description of sale
s			item (e.g., electronic catalog browsing)
3	705/53	(0 OR, 3 XR)	
	Class	705 :	DATA PROCESSING: FINANCIAL, BUSINESS
			PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION	705/50		BUSINESS PROCESSING USING CRYPTOGRAPHY
	705/51		.Usage protection of distributed data files
	705/52		..Usage or charge determination
	705/53		...Including third party for collecting or
			distributing payment (e.g., clearinghouse)
3	705/80	(2 OR, 1 XR)	
	Class	705 :	DATA PROCESSING: FINANCIAL, BUSINESS
			PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION	705/50		BUSINESS PROCESSING USING CRYPTOGRAPHY
	705/80		.Electronic negotiation
3	709/218	(2 OR, 1 XR)	
	Class	709 :	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
			SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO
RDINATING	709/200		MULTICOMPUTER DATA TRANSFERRING
	709/217		.Remote data accessing

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709/218 ..Using interconnected networks

3 709/225 (0 OR, 3 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO

RDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING

709/223 .Computer network managing

709/225 ..Computer network access regulating

3 709/227 (1 OR, 2 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO

RDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING

709/227 .Computer-to-computer session/connection  
establishing

3 709/249 (1 OR, 2 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO

RDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING

709/249 .Multiple network interconnecting

3 713/156 (0 OR, 3 XR)

Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: SUPPORT

713/150 MULTIPLE COMPUTER COMMUNICATION USING  
CRYPTOGRAPHY

713/155 .Central trusted authority provides computer  
authentication

713/156 ..By certificate

3 713/201 (1 OR, 2 XR)

Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: SUPPORT

713/200 SECURITY

713/201 .Computer network

✓ 3 902/24 (0 OR, 3 XR)

Class 902 : ELECTRONIC FUNDS TRANSFER  
902/24 FOR USE WITH GENERAL PURPOSE TERMINAL\* (E.G.,  
HOME BANKING)

✓ 3 902/40 (0 OR, 3 XR)

Class 902 : ELECTRONIC FUNDS TRANSFER  
902/37 SYSTEM\*

09193791\_CLSTITLES

902/40                      .Transaction\* processing ✓

3 902/5                    (0 OR, 3 XR)

    Class    902 : ELECTRONIC FUNDS TRANSFER

    902/1                WITH ELECTRONIC MEANS PROVIDING SECURITY

    902/4                .Means to read data stored on identifier\*

    902/5                ..And to verify identity of user\*

2 235/375                (0 OR, 2 XR)

    Class    235 : REGISTERS

    235/375              SYSTEMS CONTROLLED BY DATA BEARING RECORDS

2 380/22                (0 OR, 2 XR)

    Class    380 : CRYPTOGRAPHY

    380/287              ELECTRIC SIGNAL MODIFICATION

    380/22                .Having magnetic record carrier (e.g., tape, drum)

2 382/115                (2 OR, 0 XR)

    Class    382 : IMAGE ANALYSIS

    382/100              APPLICATIONS

    382/115                .Personnel identification (e.g., biometrics)

2 382/305                (2 OR, 0 XR)

    Class    382 : IMAGE ANALYSIS

    382/276              IMAGE TRANSFORMATION OR PREPROCESSING

    382/305                .Image storage or retrieval

2 455/31.3                (0 OR, 2 XR)

    Class    455 : TELECOMMUNICATIONS

    455/31.1              SYSTEM WITH RECEIVER SELECTION

    455/31.2              .Control of selectively responsive paging arrangement over telephone line

    455/31.3              ..Two-way paging system

2 455/405                (0 OR, 2 XR)

    Class    455 : TELECOMMUNICATIONS

    455/403              RADIOTELEPHONE SYSTEM

    455/405                .Usage measurement

2 455/406                (2 OR, 0 XR)

    Class    455 : TELECOMMUNICATIONS

    455/403              RADIOTELEPHONE SYSTEM

    455/405                .Usage measurement

    455/406                ..Billing

2 455/408                (0 OR, 2 XR)

    Class    455 : TELECOMMUNICATIONS

		09193791 CLSTITLES
	455/403	RADIOTELEPHONE SYSTEM
	455/405	.Usage measurement
	455/406	..Billing
	455/408	...At remote station
2	455/410	(0 OR, 2 XR)
	Class 455 :	TELECOMMUNICATIONS
	455/403	RADIOTELEPHONE SYSTEM
	455/410	.Security or fraud prevention
2	705/14	(0 OR, 2 XR)
	Class 705 :	DATA PROCESSING: FINANCIAL, BUSINESS
		PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION	705/1	AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
		PRACTICE OR MANAGEMENT ARRANGEMENT
	705/14	.Distribution or redemption of coupon, or
		incentive or promotion program
2	705/30	(0 OR, 2 XR)
	Class 705 :	DATA PROCESSING: FINANCIAL, BUSINESS
		PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION	705/1	AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
		PRACTICE OR MANAGEMENT ARRANGEMENT
	705/30	.Accounting
2	705/34	(1 OR, 1 XR)
	Class 705 :	DATA PROCESSING: FINANCIAL, BUSINESS
		PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION	705/1	AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
		PRACTICE OR MANAGEMENT ARRANGEMENT
	705/30	.Accounting
	705/34	..Bill preparation
2	705/52	(1 OR, 1 XR)
	Class 705 :	DATA PROCESSING: FINANCIAL, BUSINESS
		PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION	705/50	BUSINESS PROCESSING USING CRYPTOGRAPHY
	705/51	.Usage protection of distributed data files
	705/52	..Usage or charge determination
2	705/66	(0 OR, 2 XR)
	Class 705 :	DATA PROCESSING: FINANCIAL, BUSINESS
		PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION		

		09193791_CLSTITLES	
	705/50	BUSINESS PROCESSING USING CRYPTOGRAPHY	
	705/64	.Secure transaction (e.g., EFT/POS)	
	705/65	..Including intelligent token (e.g., electroni	
c		purse)	
	705/66	...Intelligent token initializing or reloading	
2	705/67	(0 OR, 2 XR)	
	Class	705 : DATA PROCESSING: FINANCIAL, BUSINESS	
		PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN	
ATION			
	705/50	BUSINESS PROCESSING USING CRYPTOGRAPHY	
	705/64	.Secure transaction (e.g., EFT/POS)	
	705/65	..Including intelligent token (e.g., electroni	
c		purse)	
	705/67	...Including authentication	
2	705/70	(0 OR, 2 XR)	
	Class	705 : DATA PROCESSING: FINANCIAL, BUSINESS	
		PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN	
ATION			
	705/50	BUSINESS PROCESSING USING CRYPTOGRAPHY	
	705/64	.Secure transaction (e.g., EFT/POS)	
	705/70	..Home banking	
2	707/1	(0 OR, 2 XR)	
	Class	707 : DATA PROCESSING: DATABASE AND FILE	
		MANAGEMENT, DATA STRUCTURES, OR DOCUMENT	P
ROCESSING			
	707/1	DATABASE OR FILE ACCESSING	
2	707/102	(0 OR, 2 XR)	
	Class	707 : DATA PROCESSING: DATABASE AND FILE	
		MANAGEMENT, DATA STRUCTURES, OR DOCUMENT	P
ROCESSING			
	707/100	DATABASE SCHEMA OR DATA STRUCTURE	
	707/102	.Generating database or data structure (e.g.,	
		via user interface)	
2	707/104	(1 OR, 1 XR)	
	Class	707 : DATA PROCESSING: DATABASE AND FILE	
		MANAGEMENT, DATA STRUCTURES, OR DOCUMENT	P
ROCESSING			
	707/100	DATABASE SCHEMA OR DATA STRUCTURE	
	707/104	.Application of database or data structure	
		(e.g., distributed, multimedia, image)	

09193791\_CLSTITLES

2	707/200	(2 OR, 0 XR)	
	Class	707 :	DATA PROCESSING: DATABASE AND FILE MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P
ROCESSING	707/200		FILE OR DATABASE MAINTENANCE
2	707/513	(0 OR, 2 XR)	
	Class	707 :	DATA PROCESSING: DATABASE AND FILE MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P
ROCESSING	707/500		DOCUMENT PROCESSING
	707/513		.Structured document (e.g., HTML, SGML, ODA, CDA)
2	707/514	(0 OR, 2 XR)	
	Class	707 :	DATA PROCESSING: DATABASE AND FILE MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P
ROCESSING	707/500		DOCUMENT PROCESSING
	707/514		.Hierarchical control
2	709/223	(1 OR, 1 XR)	
	Class	709 :	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO
RDINATING	709/200		MULTICOMPUTER DATA TRANSFERRING
	709/223		.Computer network managing
2	709/224	(1 OR, 1 XR)	
	Class	709 :	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO
RDINATING	709/200		MULTICOMPUTER DATA TRANSFERRING
	709/223		.Computer network managing
	709/224		..Computer network monitoring
2	709/238	(1 OR, 1 XR)	
	Class	709 :	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO
RDINATING	709/200		MULTICOMPUTER DATA TRANSFERRING
	709/238		.Computer-to-computer data routing
2	709/239	(1 OR, 1 XR)	
	Class	709 :	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO
RDINATING			

09193791 CLSTITLES

709/200 MULTICOMPUTER DATA TRANSFERRING

709/238 .Computer-to-computer data routing

709/239 ..Alternate path routing

2 709/250 (1 OR, 1 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO

RDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING

709/250 .Network-to-computer interfacing

2 710/11 (2 OR, 0 XR)

Class 710 : ELECTRICAL COMPUTERS AND DIGITAL DATA  
PROCESSING SYSTEMS: INPUT/OUTPUT

710/1 INPUT/OUTPUT DATA PROCESSING

710/8 .Peripheral configuration

710/11 ..Protocol selection

2 713/155 (1 OR, 1 XR)

Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: SUPPORT

713/150 MULTIPLE COMPUTER COMMUNICATION USING  
CRYPTOGRAPHY

713/155 .Central trusted authority provides computer  
authentication

2 713/173 (0 OR, 2 XR)

Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: SUPPORT

713/150 MULTIPLE COMPUTER COMMUNICATION USING  
CRYPTOGRAPHY

713/168 .Particular communication authentication  
technique

713/172 ..Intelligent token

713/173 ...Pre-loaded with certificate

2 713/185 (0 OR, 2 XR)

Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: SUPPORT

713/182 SYSTEM ACCESS CONTROL BASED ON USER  
IDENTIFICATION BY CRYPTOGRAPHY

713/185 .Using record or token

2 713/200 (1 OR, 1 XR)

Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: SUPPORT

713/200 SECURITY



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2 902/14 (0 OR, 2 XR)

Class 902 : ELECTRONIC FUNDS TRANSFER  
 902/8 TERMINAL\* WITH MEANS PERMITTING DEPOSIT OR  
 WITHDRAWAL (E.G., ATM)  
 902/14 .With cash dispenser

2 902/2 (0 OR, 2 XR)

Class 902 : ELECTRONIC FUNDS TRANSFER  
 902/1 WITH ELECTRONIC MEANS PROVIDING SECURITY  
 902/2 .Protects transmitted data (e.g., encryption o

r

decryption)

2 902/22 (0 OR, 2 XR)

Class 902 : ELECTRONIC FUNDS TRANSFER  
 902/22 TERMINAL\* REGISTERS TRANSACTION\* (E.G., POINT  
 OF SALE TERMINAL\*)

2 902/9 (0 OR, 2 XR)

Class 902 : ELECTRONIC FUNDS TRANSFER  
 902/8 TERMINAL\* WITH MEANS PERMITTING DEPOSIT OR  
 WITHDRAWAL (E.G., ATM)  
 902/9 .With secure receptacle (e.g., safe,  
 depository)